

## Three Phase Hybrid Inverter (HV) (10-50) kW

Swatter

**Smarter Power Better Life** 



# Three Phase Hybrid Inverter

Modern farm

Rural school

Community hospital





Supports 30 pcs in parallel with Master-Slave control, delivering up to 1500kW



More Flexible **5** PV Strings

Divide the solar panels into up to six zones

Adapts to complex installation scenarios

## More Extensive 700%

Ensures all the energy supplied is green energy

Support fast Ac chargers and SG-ready heat pumps

More Intelligent 70ms

Switching time with whole home backup 100% EPS output power (off grid mode)

#### Three Phase Hybrid Inverter (HV) (10-20) kW

Type Designation	SiH-10kW-TH-PRO	SiH-15kW-TH	SiH-20kW-TH
PV (input)			
Max. recommended PV array power [Wp]	20000	30000	40000
Max. PV input voltage [V]	20000	1000	
Rated PV input voltage [V]		650	
Start-up input voltage [V]		150	
MPPT voltage range [V]		150-950	
No. of MPPT/Strings per MPPT	3 (2)	(1/1)	3 (2/2/1)
Max. PV input current [A]	64 (32)	(16/16)	80 (32/32/16)
Max. DC short-circuit current [A]	80 (40/20/20)		100 (40/40/20)
Battery (input/output)			
Battery type		Li-ion battery	
Battery voltage range [V]		100-800	
Max. charge/discharge current* [A]		50/50	
Max. charge/discharge power [W]	15000/10000	30000/15000	30000/20000
Grid (input/output)			
Max. AC power from grid		43000 W / 43000 VA	
Rated AC output power [VA]	10000	15000	20000
Max. AC output power [VA]	10000	15000	20000
Max. AC output current [A]	15.2	22.8	30.3
Rated voltage [V]		3 / N / PE, 220 / 380; 230 / 400; 240 / 41	
AC voltage range [V]		270-480	
Rated grid frequency [Hz]		50/60	
Grid frequency range [Hz]		45-55 / 55-65	
Total harmonic distortion (THDi, rated power) [%]		< 3	
Power factor at rated power / Adjustable power factor		> 0.99 / 0.8 leading to 0.8 lagging	
Backup (output)			
Rated voltage [V]		3 / N / PE, 220 ;230;240	
Frequency range [Hz]		50 / 60	
Total harmonic distortion		50,00	
(THDv, rated power, Linear load) [%]		≤2	
Backup switching time [ms]		< 10	
Rated output power (off-grid mode) [VA]	10000	15000	20000
Peak output power (off-grid mode)**	16800 W / 168000 VA, 10s	25500 W / 25500 VA, 10s	32000 W / 32000 VA, 10s
Peak output power (off-grid mode)** Max. output power (on-grid mode)	16800 W / 168000 VA, 10s	25500 W / 25500 VA, 10s 43000 W / 43000 VA	32000 W / 32000 VA, 10s
	16800 W / 168000 VA, 10s		32000 W / 32000 VA, 10s
Max. output power (on-grid mode) Max. output current (on-grid mode) [A]	16800 W / 168000 VA, 10s	43000 W / 43000 VA	32000 W / 32000 VA, 10s
Max. output power (on-grid mode)	16800 W / 168000 VA, 10s 98.00/97.50	43000 W / 43000 VA 3*63	32000 W / 32000 VA, 10s
Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency		43000 W / 43000 VA 3*63	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function		43000 W / 43000 VA 3*63 98.	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***		43000 W / 43000 VA 3*63 98. Master-slave mode	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection         DC switch (PV)		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         Dc switch (PV)         Over-heat protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection         DC switch (PV)		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         Dc switch (PV)         Over-heat protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection		43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Weight [kg]	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection         DC reverse polarity protection         Residual current protection         AC short-circuit protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (w*H*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range (Non-condensing) [%]	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes OPT Transformerless IP66 615 * 465 * 255 Wall-mounting bracket -25-60 (Derating above 45) 0-100	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range ((Non-condensing) [%]	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range (Non-condensing) [%]         Cooling method         Noise (Typical)	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Insulation monitoring         AC short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range (Non-condensing) [%]         Cooling method         Noise (Typical)         Max. operating altitude [m]	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes OPT Transformerless IP66 615 * 465 * 255 Wall-mounting bracket -25-60 (Derating above 45) 0-100 Natural convection 35 dB (A) 2000	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection         DC switch (PV)         Over-heat protection         Dimensions (W*H*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range (Non-condensing) [%]         Cooling method         Noise (Typical)         Max. operating altitude [m]         Display	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes OPT Transformerless IP66 615 * 465 * 255 Wall-mounting bracket -25-60 (Derating above 45) 0-100 Natural convection 35 dB (A) 2000 LED	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection         DC switch (PV)         Over-heat protection         Dimensions (W*H*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range (Non-condensing) [%]         Cooling method         Noise (Typical)         Max. operating altitude [m]         Display         Communication	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes OPT Transformerless IP66 615 * 465 * 255 Wall-mounting bracket -25-60 (Derating above 45) 0-100 Natural convection 35 dB (A) 2000 LED 2*R5485/2*CAN/WLAN	
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (WH*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range (Non-condensing) [%]         Cooling method         Noise (Typical)         Max. operating altitude [m]         Display         Communication         Di/DO	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes OPT Transformerless IP66 615 * 465 * 255 Wall-mounting bracket -25-60 (Derating above 45) 0-100 Natural convection 35 dB (A) 2000 LED 2*RS485/2*CAN/WLAN 4*DI/2*DO/DRM0	
Max. output power (on-grid mode)Max. output current (on-grid mode) [A]EfficiencyMax. efficiency/European efficiency [%]Protection & FunctionParallel***Surge protectionOvervoltage categoryProtective classGrid monitoringDC reverse polarity protectionBattery input reverse polarity protectionInsulation monitoringAC short-circuit protectionResidual current protectionDC switch (PV)Over-heat protectionAFCIGeneral DataTopology (PV/battery)Degree of protectionDimensions (w*H*D) [mm]Weight [kg]Mounting methodOperating ambient temperature range [°C]Allowable relative humidity range (Non-condensing) [%]Cooling methodNoise (Typical)Max. operating altitude [m]DisplayCommunicationDi/DODC connection type	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes Yes OPT Transformerless IP66 615 * 465 * 255 Wall-mounting bracket -25-60 (Derating above 45) 0-100 Natural convection 35 dB (A) 2000 LED 2*R5485/2*CAN/WLAN 4*DI/2*DO/DRM0	10/97.60
Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection         Insulation monitoring         AC short-circuit protection         Residual current protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)         Degree of protection         Dimensions (WH*D) [mm]         Weight [kg]         Mounting method         Operating ambient temperature range [°C]         Allowable relative humidity range (Non-condensing) [%]         Cooling method         Noise (Typical)         Max. operating altitude [m]         Display         Communication         Di/DO	98.00/97.50	43000 W / 43000 VA 3*63 98. Master-slave mode Type II , DC and AC II DC and III AC Class I Yes Yes Yes Yes Yes Yes Yes OPT Transformerless IP66 615 * 465 * 255 Wall-mounting bracket -25-60 (Derating above 45) 0-100 Natural convection 35 dB (A) 2000 LED 2*RS485/2*CAN/WLAN 4*DI/2*DO/DRM0	10/97.60

\* Depending on the connected battery

\*\* Can be reached only if PV and battery power is sufficient

\*\*\* Detail refer to inverters parallel configuration in User Manual

#### Three Phase Hybrid Inverter (HV) (25-50) kW

Type Designation	SiH-25kW-TH	SiH-30kW-TH	SiH-40kW-TH	SiH-50kW-TH		
PV (input)						
Max. recommended PV array power [Wp]	50000		60000			
/ax. PV input voltage [V]		1000				
Rated PV input voltage [V]	650					
Start-up input voltage [V]	150					
MPPT voltage range [V]	150-950					
No. of MPPT/Strings per MPPT	3 (2/2/2)					
fax. PV input current [A]	96 (32 / 32 / 32)					
Max. DC short-circuit current [A]	120 (40 / 40 / 40)					
Battery (input/output)						
Battery type		Li-ion ba	•			
Battery voltage range [V] Max. charge/discharge current* [A]	100-800					
Max. charge/discharge power [W]	30000 / 25000	60/60 30000 / 30000	40000 / 40000	65/65 50000 / 50000		
	30000723000	30000 / 30000	400007 40000	500007 50000		
Grid (input/output)						
lax. AC power from grid		55000 W / 55	000 VA			
Rated AC output power [VA]	25000	30000	40000	50000		
lax. AC output power [VA]	25000	30000	40000	50000		
lax. AC output current [A]	37.9	45.5	60.6	75.8		
Rated voltage [V]		3 / N / PE, 220 / 380; 2	30 / 400; 240 / 415			
AC voltage range [V]		270-48				
Rated grid frequency [Hz]		50/60				
Grid frequency range [Hz]		45-55 / 5	5-65			
otal harmonic distortion (THDi, rated power) [%]		< 3				
Power factor at rated power /		> 0.99 / 0.8 leading	to 0.8 lagging			
Adjustable power factor			د دد			
Backup (output)						
Rated voltage [V]		3 / N / PE, 220	: 230 : 240			
Frequency range [Hz]		50 / 6				
Total harmonic distortion		5070	5			
THDv, rated power, Linear load) [%]		≤2				
Backup switching time [ms]		< 10				
	25000		40000	50000		
Rated output power (off-grid mode) [VA]	25000 36500 W / 36500 VA 10s	30000	40000 60000 W / 60000 VA 10s	50000 70000 W / 70000 VA 109		
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)**	25000 36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s	60000 W / 60000 VA, 10s			
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode)		30000 45000 W / 45000 VA, 10s 55000 W / 5	60000 W / 60000 VA, 10s 5000 VA			
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode) Max. output current (on-grid mode) [A]		30000 45000 W / 45000 VA, 10s	60000 W / 60000 VA, 10s 5000 VA			
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80	60000 W / 60000 VA, 10s 5000 VA	70000 W / 70000 VA, 10s		
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency Max. efficiency/European efficiency [%]		30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80	60000 W / 60000 VA, 10s 5000 VA			
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode) Max. output current (on-grid mode) [A]	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80	60000 W / 60000 VA, 10s 5000 VA	70000 W / 70000 VA, 10s		
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency Max. efficiency/European efficiency [%]	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80	60000 W / 60000 VA, 10s 5000 VA 98.20	70000 W / 70000 VA, 105		
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency Max. efficiency/European efficiency [%] Protection & Function Parallel***	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode	70000 W / 70000 VA, 105		
Rated output power (off-grid mode) [VA] Peak output power (off-grid mode)** Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency Max. efficiency/European efficiency [%] Protection & Function Parallel*** Surge protection	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Type II , DC	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC	70000 W / 70000 VA, 105		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Dvervoltage category	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Type II , DC II DC and	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 105		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Dvervoltage category         Protective class	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Type II , DC II DC and Class	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 105		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Type II , DC II DC and Class Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         DC reverse polarity protection	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Type II , DC II DC and Class Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Srid monitoring         DC reverse polarity protection         Battery input reverse polarity protection	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Type II , DC II DC and Class Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection g         Dreverse polarity protection         Battery input reverse polarity protection         multion monitoring	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Master-slav II DC and Class Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode)         Max. output current (on-grid mode)         Fificiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Dovervoltage category         Protective class         Srid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Ac short-circuit protection	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Master-slav Master-slav II DC and Class Yes Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode)         Max. output current (on-grid mode)         Fificiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection Ing         Oc reverse polarity protection         Battery input reverse polarity protection         Residual current protection	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         OC reverse polarity protection         Battery input reverse polarity protection         Residual current protection         Coshort-circuit protection         Coshort-circuit protection         Coswitch (PV)	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Master-slav Class Class Ves Yes Yes Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection goal         Oc reverse polarity protection         Battery input reverse polarity protection         Residual current protection         Coshort-circuit protection         Oc switch (PV)         Over-heat protection	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Class Yes Yes Yes Yes Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Max. output power (on-grid mode)         Max. output current (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection goal         Of reverse polarity protection         Battery input reverse polarity protection         Residual current protection         C switch (PV)         Over-heat protection         AFCI	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Master-slav Class Class Ves Yes Yes Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode)**         Max. output power (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection goal         Ocreverse polarity protection         Battery input reverse polarity protection         Resultion monitoring         AC short-circuit protection	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Class Yes Yes Yes Yes Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Max. output power (on-grid mode)         Max. output current (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection goal         Oc reverse polarity protection         Battery input reverse polarity protection         Residual current protection         Ceswitch (PV)         Over-heat protection         AFCI	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Class Yes Yes Yes Yes Yes Yes Yes	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Max. output power (on-grid mode)         Max. output current (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Dovervoltage category         Protective class         Sirid monitoring         DC reverse polarity protection         Battery input reverse polarity protection         Residual current protection         DC switch (PV)         Dver-heat protection         AFCI         General Data	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless	70000 W / 70000 VA, 10		
tated output power (off-grid mode) [VA] teak output power (off-grid mode) ** Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency Max. efficiency/European efficiency [%] Protection & Function Protection & Function Protective class frid monitoring PC reverse polarity protection mulation monitoring CC short-circuit protection Sedual current protection PC switch (PV) Pyer-heat protection FCI Seneral Data Protection Prote	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless	70000 W / 70000 VA, 10		
tated output power (off-grid mode) [VA] teak output power (off-grid mode) ** Max. output power (on-grid mode) Max. output current (on-grid mode) [A] Efficiency Max. efficiency/European efficiency [%] Protection & Function Protection & Function Protective class frid monitoring OC reverse polarity protection mulation monitoring CC short-circuit protection Second Lattery input reverse polarity protection Protection (PV) Protection (PV) Protection FCI Formeral Data Protection Dimensions (W*H*D) [mm]	36500 W / 36500 VA, 10s	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless	70000 W / 70000 VA, 10		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         urge protection         Overvoltage category         Protective class         Grid monitoring         OC reverse polarity protection         nsulation monitoring         OC switch (PV)         Over-heat protection         Vere-heat Data         Opology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Veight [kg]         Acounting method	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         urge protection         Overvoltage category         Protective class         Grid monitoring         OC reverse polarity protection         nsulation monitoring         OC switch (PV)         Over-heat protection         Vere-heat Data         Opology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Veight [kg]         Acounting method	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5 g bracket	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Dereverse polarity protection         Battery input reverse polarity protection         Residual current protection         Cover-heat protection         Dereverse polarity protection         Residual current protection         Second Data         Copology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Veight [kg]         Aounting method         Operating ambient temperature range [°C]	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Master-slav 11 DC and Class Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45)	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode)         Aax. output current (on-grid mode)         Fificiency         Aax. efficiency/European efficiency [%]         Protection & Function         Parallel***         Burge protection         Dovervoltage category         Protection explain protection         Dovervoltage category         Protection polarity protection         Battery input reverse polarity protection         Battery input reverse polarity protection         Sediual current protection         C switch (PV)         Over-heat protection         Seriel Data         Topology (PV/battery)         Degree of protection         Dimensions (W*H*D) [mm]         Veight [kg]         Aounting method         Operating ambient temperature range [*C]         Illowable relative humidity range         Non-condensing) [%]	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) )	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Aax. efficiency/European efficiency [%]         Protection & Function         Parallel***         Burge protection         Devervoltage category         Protection explain protection         Battery input reverse polarity protection         Battery input reverse polarity protection         Battery input reverse polarity protection         Sediual current protection         C short-circuit protection         Sediual current protection         C switch (PV)         Over-heat protection         Segree of protection         Supple of protection         Supple of protection         Oplogy (PV/battery)         Degree of protection         Dimensions (w"H*D) [mm]         Veight [kg]         Aouting method         Operating ambient temperature range [°C]         Allowable relative humidity range         Non-condensing) [%]	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) )	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         urge protection         Overvoltage category         Protective class         Grid monitoring         OC reverse polarity protection         nation monitoring         AC short-circuit protection         Sesidual current protection         C switch (PV)         Over-heat protection         Serier Data         Topology (PV/battery)         Pegree of protection         Dimensions (W*H*D) [mm]         Veight [kg]         Aounting method         Openeraling ambient temperature range [°C]         Kllowable relative humidity range         Non-condensing) [%]         Cooling method	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) ) ing	70000 W / 70000 VA, 10		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Aax. efficiency/European efficiency [%]         Protection & Function         Parallel***         uirge protection         Overvoltage category         Protective class         Grid monitoring         OC reverse polarity protection         nation monitoring         OC solution (PV)         Over-heat protection         OS switch (PV)         Over-heat protection         Dimensions (W*H*D) [mm]         Veight [kg]         Aounting method         Operating ambient temperature range [°C]         Illowable relative humidity range         Non-condensing [%]         Cooling method         Aouse (Typical)	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) ) ing	70000 W / 70000 VA, 10		
Rated output power (off-grid mode) [VA]         Deak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         urge protection         Overvoltage category         Protective class         Grid monitoring         OC reverse polarity protection         nsulation monitoring         OC switch (PV)         Over-heat protection         Spology (PV/battery)         Degree of protection         Dimensions (w"H*D) [mm]         Veight [kg]         Aounting method         Operating ambient temperature range [°C]         Klowable relative humidity range         Non-condensing) [%]         Soloige (Typical)         Aax. operating altitude [m]	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 98.20 98.21 98.20 99.5 90.	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         OC reverse polarity protection         Battery input reverse polarity protection         Battery input reverse polarity protection         Battery input reverse polarity protection         Schort-circuit protection         C switch (PV)         Over-heat protection         Segree of protection         Speareal Data         Gopology (PV/battery)         Degree of protection         Dimensions (w*H*D) [mm]         Veight [kg]         Mounting method         Operating ambient temperature range [°C]         Klowable relative humidity range         Non-condensing) [%]         Cooling method         Moise (Typical)         Aax. operating altitude [m]         Display	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) ) ing IN/WLAN	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection sequence         Or reverse polarity protection         Battery input reverse polarity protection         Secondal current protection         Oc switch (PV)         Over-heat protection         Secondal Current protection         Secondal Current Protection         Secondal Current protection         Sure of protection         Obmensions (W*H*D) [mm]         Veight [kg]         Aounting method         Operating ambient temperature range [°C]         Allowable relative humidity range         Noise (Typical)         Aax. operating altitude [m]         Objenjay         Communication	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) ) ing IN/WLAN DRM0	70000 W / 70000 VA, 103		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Aax. output power (on-grid mode)         Aax. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protection sequence         Protection & Function         Parallel***         Surge protection         Overvoltage category         Protective class         Grid monitoring         CC reverse polarity protection         Battery input reverse polarity protection         Battery input reverse polarity protection         Residual current protection         CS switch (PV)         Over-heat protection         Sequence of protection         Surge of protection         Obimensions (W*H*D) [mm]         Veight [kg]         Aounting method         Operating ambient temperature range [°C]         Noise (Typical)         Aax. operating altitude [m]         Obiselay         Communication         Outperation         Abiselay         Connection type	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) ) ing N/WLAN /DRMO 6 mm <sup>2</sup> )	70000 W / 70000 VA, 109		
Rated output power (off-grid mode) [VA]         Peak output power (off-grid mode) **         Max. output power (on-grid mode)         Max. output current (on-grid mode)         Max. output current (on-grid mode) [A]         Efficiency         Max. efficiency/European efficiency [%]         Protection & Function         Parallel***         Surge protection         Dereverse polarity protection         Battery input reverse polarity protection         Residual current protection         Sc short-circuit protection         DC switch (PV)         Over-heat protection         AFCI         General Data         Topology (PV/battery)	36500 W / 36500 VA, 105 98.20 /	30000 45000 W / 45000 VA, 10s 55000 W / 5 3*80 97.80 97.80 Master-slav Master-slav Master-slav Type II , DC II DC and Class Yes Yes Yes Yes Yes Yes Yes Y	60000 W / 60000 VA, 10s 5000 VA 98.20 98.20 e mode and AC III AC I erless * 255 39.5 g bracket g above 45) ) ing IN/WLAN 'DRMO 6 mm <sup>2</sup> ) Battery, Max.10mm <sup>2</sup> )	70000 W / 70000 VA, 10s		

\* Depending on the connected battery

\*\* Can be reached only if PV and battery power is sufficient \*\*\* Detail refer to inverters parallel configuration in User Manual



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1411 Qualified engineers are the driving force behind the exceptional R&D progress

**TOP 3 Sieyuan**思源电气 Electrical Equip. Manufacturer 22

22 Manufacturing bases

100+

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1,000kV

Full range product: 10kV -1,000kV



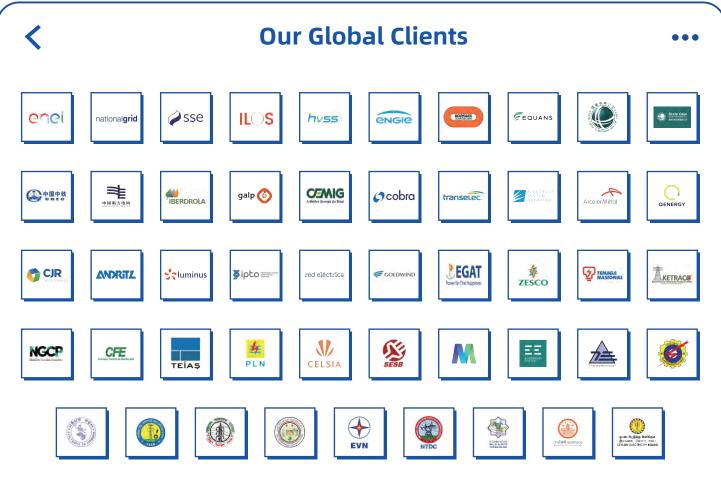
Sieyuan Utility Scale BESS



C&l and Residential BESS

Shanghai Sieyuan Watten Technology Co., Ltd. Member of Sieyuan Electric Co., Ltd.





#### Swatten Europe Case

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#### Swatten APAC Case

<image>

#### **Compatible Battery Brand** \* For detailed list please contact our technical team EVE PYLONTECH מייפ POWER Dyness Dyness CE HAME VESTWOODS **FOLLOW** US! 🖓 in ñ ..... Facebook Linkedin YouTube