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◆Technical parameters

TYPE 1K5

Isolation type	No transformer
Recommended maximum power of PV array	1,800WP
Maximum array open-circuit voltage	450V
Maximum power point tracing (MPPT) scope of PV	150~450V
Connection type of battery board	Water-proof direct-plug terminals
Series number which can be connected to the array	1
Maximum array input current	10A
Rated AC output power	1,500W
Total Harmonic Distortion (THD)	<4%
Power factor	>0.99
Maximum efficiency	95%
European efficiency	93%
Allowed voltage scope of grid (single phase)	180~265VAC
Allowed frequency scope of grid	50&60Hz
Self consumption at night	<0.5W
Communication interface	RS485
Protection class	IP41
Temperature of application environment	(indoor)-20°C~+40°C
Noise class	<40Db
Cooling	Natural cooling
Size (W x H x D)	288X410X126
Weight	10.3Kg

TYPE 2K5

Insulation type	No transformer
Recommended maximum power of PV array	3000 WP
Maximum array open-circuit voltage	450V
Maximum power point tracing (MPPT) scope of PV	150~450V
Connection type of battery board	Water-proof direct-plug terminals
Series number which can be connected to the array	2
Maximum array input current	20A
Rated AC output power	2500W
Total Harmonic Distortion (THD)	<4%
Power factor	>0.99
Maximum efficiency	95%
European efficiency	93%
Allowed voltage scope of grid (single phase)	180~265 VAC
Allowed frequency scope of grid	50Hz&60Hz
Self consumption at night	<0.5W
Communication interface	RS485
Protection class	IP41 (indoor)
Temperature of application environment	-20°C~+40°C
Noise class	<40dB
Cooling	Natural cooling
Size (W x H x D)	288X460X126
Weight	11.3Kg

TYPE 3K

Isolation type	Power frequency transformer
Recommended maximum power of PV array	3,600WP
Maximum array open-circuit voltage	450V
Maximum power point tracing (MPPT) scope of PV	200~450V
Connection type of battery board	Water-proof direct-plug terminals
Series number which can be connected to the array	2
Maximum array input current	18A
Rated AC output power	3,000W
Total Harmonic Distortion (THD)	<4%
Power factor	>0.99
Maximum efficiency	94%
European efficiency	92%
Allowed voltage scope of grid (single phase)	180~265VAC
Allowed frequency scope of grid	50Hz&60Hz
Self consumption at night	<0.5W
Communication interface	RS485
Protection class	IP65(outdoor)
Temperature of application environment	-25°C~+60°C
Noise class	<40dB
Cooling	Natural cooling
Size (W x H x D)	490 x 385 x 225 mm
Weight	44kg


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TYPE 5K /6K

solation type	Power frequency transformer
Recommended maximum power of PV array	6,000WP/7200WP
Maximum array open-circuit voltage	780V
Maximum power point tracing (MPPT) scope of PV	300~780V/320-780V
Connection type of battery board	Water-proof direct-plug terminals
Series number which can be connected to the array	4
Maximum array input current	20A
Rated AC output power	5,000W/6000W
Total Harmonic Distortion (THD)	<4%
Power factor	>0.99
Maximum efficiency	94%
European efficiency	92%
Allowed voltage scope of grid (single phase)	180~265VAC
Allowed frequency scope of grid	50Hz&60Hz
Self consumption at night	<0.5W
Communication interface	RS485
Protection class	IP65 (outdoor)
Temperature of application environment	-20°C~+60°C
Noise class	<40dB
Cooling	Air cooled
Size (W x H x D)	410x580x283 mm
Weight	65kg

TYPE 5K /6K

Isolation type	Power frequency transformer
Recommended maximum power of PV array	6,000WP/7,200WP
Maximum array open-circuit voltage	780V
Maximum power point tracing (MPPT) scope of PV	220~780V/300~780V
Connection type of battery board	Water-proof direct-plug terminals
Series number which can be connected to the array	4
Maximum array input current	25A
Rated AC output power	5,000W/6,000W
Total Harmonic Distortion (THD)	<4%
Power factor	>0.99
Maximum efficiency	94%
European efficiency	92%
Allowed voltage scope of grid (single phase)	180~265VAC
Allowed frequency scope of grid	50Hz&60Hz
Self consumption at night	<0.5W
Communication interface	RS485
Protection class	IP20 (indoor)
Temperature of application environment	-25°C~+40°C
Noise class	<40dB
Cooling	wind cooled
Size (W x H x D)	350 x569 x243mm
Weight	57kg

TYPE 30K3

Isolation type	Power frequency transformer
Recommended maximum power of PV array	36KWP
Maximum array open-circuit voltage	450V
Maximum power point tracing (MPPT) scope of PV	220~450V
Connection type of battery board	Connection terminal
Maximum array input current	150A
Rated AC output power	30KVA
Total Harmonic Distortion (THD)	<3% (at rated power)
Power factor	>0.99
Maximum efficiency	94%
European efficiency	92%
Allowed voltage scope of grid (three phase)	320~440VAC
Allowed frequency scope of grid	47~51.5Hz
Self consumption at night	<10W
Communication interface	RS485/ Ethernet
Protection class	IP20 (Indoor)
Temperature of application environment	-20°C~+40°C
Noise class	<45dB
Cooling	wind cooled
Size in mm (width x height x depth)	820 x 1,900 x 650 mm
Weight	400kg

TYPE 50K3

Isolation type	Power frequency transformer
ecommended maximum power of PV array	60kWP
Maximum array open-circuit voltage	880V
Maximum power point tracing (MPPT) scope of PV	450~880V
Connection type of battery board	Terminal inserting
Maximum array input current	130A
Rated AC output power	50KVA
Total Harmonic Distortion (THD)	<3% (at rated power)
Power factor	>0.99
Maximum efficiency	94.5%
European efficiency	93.5%
Allowed voltage scope of grid (three phase)	320~440VAC
Allowed frequency scope of grid	47~51.5Hz
Self consumption at night	<10W
Communication interface	RS485/ Ethernet
Protection class	IP20 (Indoor)
Temperature of application environment	-20°C~+40°C
Noise class	<45dB
Cooling	Wind cooled
Size (W x H x D)	820 x1,900 x650 mm
Weight	700kg

TYPE 100K3

Isolation style	Low frequency transformer
Recommended max. PV array	120kWP
Maximum DC input voltage	880V
MPPT voltage range	480~880V
Connection with PV cables	Screw terminal
Maximum DC input current	250A
Nominal AC output power	100KVA
Total Harmonic Distortion (THD)	<3% (at nominal power)
Power factor	>0.99
Maximum efficiency	95.7%
European efficiency	95.1%
Operating range of utility voltage	330~440VAC(3 phase)
Operation range of utility frequency	47~51.5Hz(can be set)
Self consumption at night	<10W
Communication interfaces	RS485/ Ethernet(GPRS)
Waterproof and Dustproof Class(EN60529)	IP20(Indoor)
Operation Surroundings Temperature	-20°C~+40°C
Noise class	<50dB
Cooling	controlled fan cooling
Size (W x H x D)	1,020 x1,900 x770 mm
Weight	800kg

TYPE 250K3

Isolation type	Power frequency transformer
Recommended maximum power of PV array	275kWP
Maximum array open-circuit voltage	880V
Maximum power point tracing (MPPT) scope of PV	450~880V
Connection type of battery board	Connection terminal
Maximum array input current	560A
Rated AC output power	250KVA
Total Harmonic Distortion (THD)	THD<4%
Power factor	>0.98
Maximum efficiency	95%
European efficiency	94%
Allowed voltage scope of grid (three phase)	320~440VAC
Allowed frequency scope of grid	47~51.5Hz
Self consumption at night	<50W
Communication interface	RS485/ Ethernet(GPRS)
Protection class	IP20 (Indoor)
Temperature of application environment	-20°C~+40°C
Noise class	<50dB
Cooling	Wind cooled
Size (W xH x D)mm	(1,020x1,900x770)+(800x1,900x770)
Weight	1,200kg

TYPE 500K3

Isolation type	Power frequency transformer
Recommended maximum power of PV array	550kWP
Maximum array open-circuit voltage	1,150V
Maximum power point tracing (MPPT) scope of PV	450~920V
Connection type of battery board	Connection terminal
Maximum array input current	1,150A
Rated AC output power	500KVA
Total Harmonic Distortion (THD)	THD<3%
Power factor	>0.98
Maximum efficiency	97%
European efficiency	96%
Allowed voltage scope of grid (three phase)	10KV/35KV
Allowed frequency scope of grid	47~51.5Hz
Self consumption at night Self	<50W
Communication interface	RS485/ Ethernet(GPRS)
Protection class	IP20 (Indoor)
Temperature of application environment	-20°C~+40°C
Noise class	<50dB
Cooling	Wind cooled
Size (W x H x D)	1,420x2,160 x850 mm
Weight	1,800kg

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