

Compliance Document

No. D 114387 0092 Rev. 02

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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(PV Inverter & Hybrid Inverter)

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Test report no.: 64290223058603

Date, 2024-06-24



(Billy Qiu)

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Model(s):

PV Inverter models:

**SUN2000-12KTL-M5, SUN2000-15KTL-M5,
SUN2000-17KTL-M5, SUN2000-20KTL-M5,
SUN2000-25KTL-M5**

Hybrid Inverter models:

**SUN2000-12K-MB0, SUN2000-15K-MB0,
SUN2000-17K-MB0, SUN2000-20K-MB0,
SUN2000-25K-MB0, SUN5000-17K-MB0,
SUN5000-25K-MB0**

Parameters:

Model	SUN2000-12KTL-M5	SUN2000-15KTL-M5	SUN2000-17KTL-M5	SUN2000-20KTL-M5	SUN2000-25KTL-M5
PV terminal parameters					
Maximum PV voltage [V _{DC}]	1100				
Rated voltage [V _{DC}]	600				
MPPT voltage range [V _{DC}]	200 - 1000				
MPPT voltage range (full load) [V _{DC}]	370 - 800	410 - 800	440 - 800	480 - 800	530 - 800
Maximum input current [A _{DC}]	30/30				
Isc PV [A _{DC}]	40/40				
MPPT tracker number	2				
Maximum input power [W]	18000	22500	25500	30000	37500
Grid output terminal parameters					
Rated output voltage [V _{AC}]	3P+N+PE, 230/400				
Rated output frequency [Hz]	50				
Rated output current [A _{AC}]	17.3	21.7	24.5	28.9	36.1
Maximum continuous output current [A _{AC}]	20.2	25.2	28.6	33.6	42.0
Rated output active power [W]	12000	15000	17000	20000	25000
Maximum output active power [W]	13200	16500	18700	22000	27500
Maximum output apparent power [VA]	13200	16500	18700	22000	27500
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				

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Model	SUN2000 -12K-MB0	SUN2000 -15K-MB0	SUN2000 -17K-MB0	SUN2000 -20K-MB0	SUN2000 -25K-MB0
PV terminal parameters					
Maximum PV voltage [V_{DC}]	1100				
Rated voltage [V_{DC}]	600				
MPPT voltage range [V_{DC}]	200 - 1000				
MPPT voltage range (full load) [V_{DC}]	370 - 800	410 - 800	440 - 800	480 - 800	530 - 800
Maximum input current [A_{DC}]	30/30				
Isc PV [A_{DC}]	40/40				
MPPT tracker number	2				
Maximum input power [W]	18000	22500	25500	30000	37500
Battery input/output parameters					
Battery type	Lithium-ion				
Maximum voltage [V_{DC}]	980				
Battery rated voltage [V_{DC}]	600				
Battery voltage range [V_{DC}]	600 - 980				
Maximum charge power [W]	25000	25000	25000	25000	25000
Maximum discharge power [W]	13200	16500	18700	22000	25000
Maximum charge current [A_{DC}]	26.25/26.25				
Maximum discharge current [A_{DC}]	26.25/26.25				
Maximum charge power from grid to battery [W]	13200	15000	15000	15000	15000
Grid input terminal parameters					
Rated input voltage [V_{AC}]	3P+N+PE, 230/400				
Rated input frequency [Hz]	50				
Maximum continuous input current from grid to battery [A_{AC}]	19.1	21.7	21.7	21.7	21.7
Maximum continuous input current [A_{AC}]	19.1	21.7	21.7	21.7	21.7
Maximum continuous input power from grid to battery [W]	13200	15000	15000	15000	15000
Maximum continuous input active power [W]	13200	15000	15000	15000	15000
Maximum continuous input apparent power [VA]	13200	15000	15000	15000	15000
Grid output terminal parameters					
Rated output voltage [V_{AC}]	3P+N+PE, 230/400				
Rated output frequency [Hz]	50				
Rated output current [A_{AC}]	17.3	21.7	24.5	28.9	36.1
Maximum continuous output current [A_{AC}]	20.2	25.2	28.6	33.6	42.0
Rated output active power [W]	12000	15000	17000	20000	25000

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Maximum output active power [W]	13200	16500	18700	22000	27500
Maximum output apparent power [VA]	13200	16500	18700	22000	27500
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				

Model	SUN5000-17K-MB0		SUN5000-25K-MB0	
PV terminal parameters				
Maximum PV voltage [V _{DC}]	1100			
Rated voltage [V _{DC}]	600			
MPPT voltage range [V _{DC}]	200 - 1000			
MPPT voltage range (full load) [V _{DC}]	440 - 800		530 - 800	
Maximum input current [A _{DC}]	30/30			
Isc PV [A _{DC}]	40/40			
MPPT tracker number	2			
Maximum input power [W]	25500		37500	
Battery input/output parameters				
Battery type	Lithium-ion			
Maximum voltage [V _{DC}]	980			
Battery rated voltage [V _{DC}]	600			
Battery voltage range [V _{DC}]	600 - 980			
Maximum charge power [W]	25000		25000	
Maximum discharge power [W]	18700		25000	
Maximum charge current [A _{DC}]	26.25/26.25			
Maximum discharge current [A _{DC}]	26.25/26.25			
Maximum charge power from grid to battery [W]	15000			
Grid terminal input parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400			
Rated input frequency [Hz]	50			
Maximum continuous input current from grid to battery [A _{AC}]	21.7			
Maximum continuous input current [A _{AC}]	21.7			
Maximum continuous input power from grid to battery [W]	15000			
Maximum continuous input active power [W]	15000			
Maximum continuous input apparent power [VA]	15000			
Grid terminal output parameters				
Rated output voltage [V _{AC}]	3P+N+PE, 230/400			
Rated output frequency [Hz]	50			
Rated output current [A _{AC}]	24.5		36.1	
Maximum continuous output current [A _{AC}]	28.6		42.0	
Rated output active power [W]	17000		25000	
Maximum output active power [W]	18700		27500	
Maximum output apparent power [VA]	18700		27500	



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Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)
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**Tested
according to:**

EN 50549-2:2019/AC:2019