

# Certificate of Conformity

No. ESY 114387 0100 Rev. 01

**Holder of Certificate:** **Huawei Digital Power Technologies Co., Ltd.**  
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PEOPLE'S REPUBLIC OF CHINA

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

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**Test report no.:** 64290233089302

**Date,** 2024-06-19



( Billy Qiu )

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**Model(s):**                      **SUN2000-12K-MB0, SUN2000-15K-MB0,**  
    **SUN2000-17K-MB0, SUN2000-20K-MB0,**  
    **SUN2000-25K-MB0, SUN5000-17K-MB0,**  
    **SUN5000-25K-MB0**

## Parameters:

Model	SUN2000-12K-MB0	SUN2000-15K-MB0	SUN2000-17K-MB0	SUN2000-20K-MB0	SUN2000-25K-MB0
<b>PV terminal parameters</b>					
Maximum PV voltage [V <sub>DC</sub> ]	1100				
Rated voltage [V <sub>DC</sub> ]	600				
MPPT voltage range [V <sub>DC</sub> ]	200-1000				
MPPT voltage range (full load) [V <sub>DC</sub> ]	370-800	410-800	440-800	480-800	530-800
Maximum input current [A <sub>DC</sub> ]	30/30				
Isc PV [A <sub>DC</sub> ]	40/40				
MPPT tracker number	2				
Maximum input power [W]	18000	22500	25500	30000	37500
<b>Battery input/output parameters</b>					
Battery type	Lithium-ion				
Maximum voltage [V <sub>DC</sub> ]	980				
Battery rated voltage [V <sub>DC</sub> ]	600				
Battery voltage range [V <sub>DC</sub> ]	600-980				
Maximum charge power [W]	25000	25000	25000	25000	25000
Maximum discharge power [W]	13200	16500	18700	22000	25000
Maximum charge current [A <sub>DC</sub> ]	26.25/26.25				
Maximum discharge current [A <sub>DC</sub> ]	26.25/26.25				
Maximum charge power from grid to battery [W]	13200	15000	15000	15000	15000
<b>Grid terminal input parameters</b>					
Rated input voltage [V <sub>AC</sub> ]	3P+N+PE, 230/400				
Rated input frequency [Hz]	50				

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Maximum continuous input current from grid to battery [A <sub>AC</sub> ]	19.1	21.7	21.7	21.7	21.7
Maximum continuous input current [A <sub>AC</sub> ]	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
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				
Grid terminal output parameters					
Rated output voltage [V <sub>AC</sub> ]	3P+N+PE, 230/400				
Rated output frequency [Hz]	50				
Rated output current [A <sub>AC</sub> ]	17.3	21.7	24.5	28.9	36.1
Maximum continuous output current [A <sub>AC</sub> ]	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	SUN5000-17K-MB0	SUN5000-25K-MB0
<b>PV terminal parameters</b>		
Maximum PV voltage [V <sub>DC</sub> ]	1100	
Rated voltage [V <sub>DC</sub> ]	600	
MPPT voltage range [V <sub>DC</sub> ]	200-1000	
MPPT voltage range (full load) [V <sub>DC</sub> ]	440-800	530-800
Maximum input current [A <sub>DC</sub> ]	30/30	
Isc PV [A <sub>DC</sub> ]	40/40	
MPPT tracker number	2	
Maximum input power [W]	25500	37500
<b>Battery input/output parameters</b>		
Battery type	Lithium-ion	
Maximum voltage [V <sub>DC</sub> ]	980	
Battery rated voltage [V <sub>DC</sub> ]	600	
Battery voltage range [V <sub>DC</sub> ]	600-980	
Maximum charge power [W]	25000	25000
Maximum discharge power [W]	18700	25000
Maximum charge current [A <sub>DC</sub> ]	26.25/26.25	
Maximum discharge current [A <sub>DC</sub> ]	26.25/26.25	
Maximum charge power from grid to battery [W]	15000	
<b>Grid terminal input parameters</b>		
Rated input voltage [V <sub>AC</sub> ]	3P+N+PE, 230/400	
Rated input frequency [Hz]	50	
Maximum continuous input current from grid to battery [A <sub>AC</sub> ]	21.7	
Maximum continuous input current [A <sub>AC</sub> ]	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	

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Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)	
Grid terminal output parameters		
Rated output voltage [V <sub>AC</sub> ]	3P+N+PE, 230/400	
Rated output frequency [Hz]	50	
Rated output current [A <sub>AC</sub> ]	24.5	36.1
Maximum continuous output current [A <sub>AC</sub> ]	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
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)	

**Applicable standards:**

UNE 217002:2020