



# Hybrid Solar Inverter

ODS3.6/5K-S1,OTS/6/6.5/8/10/12K-S1



IP54  
High level protection



LCD Color  
Screen Operation



Dual back  
up output



Wi-Fi Smart  
Monitoring Platform



Single PV  
Operation Supported



Max.1.5 Times PV  
Oversize Capacity



Support dry contact  
starting generator(Optional)



The maximum  
current of single  
string module is 27A



Support up to 9 unit  
in parallel(Optional)



MPPT Wide  
Voltage Range: 60-450V



Supports three-phase output after  
single-phase parallel operation

< 10  
ms

Power supply can be switched  
automatically and switching time within 10ms



# Technical Specification



Technical Data	ODS3.6K-S1	ODS5K-S1	OTS6K-S1	OTS6.5K-S1	OTS8K-S1	OTS10K-S1	OTS12K-S1
Rated Power	3600VA/3600W	5000VA/5000W	6000VA/6000W	6500VA/6500W	8000VA/8000W	10000VA/10000W	12000VA/12000W
<b>PV input data</b>							
Max. PV Input Power(W)	5000	9000	9000	9000	2x7500	2x7500	2x7500
Max. PV Input Voltage(V)	500						
MPPT Voltage Range(V)	60-450						
Max. Current per MPPT (A)	18A	27A	27A	27A	27/27	27/27	27/27
Number of MPP Trackers	1	1	1	1	2	2	2
<b>AC Output Data</b>							
Rated AC Output Power (W)	3600	5000	6000	6500	8000	10000	12000
Rated Output Current(A)	15.7	21.7	26.1	28.3	34.8	43.5	52.2
Peak Output Power, Time	60S@102%-120% Load; 10S@>120% Load	60S@102%-120% Load; 10S@>120% Load	60S@102%-120% Load; 10S@>120% Load	60S@102%-120% Load; 10S@>120% Load	60S@102%-125% Load; 10S@>125% Load	60S@102%-125% Load; 10S@>125% Load	60S@102%-125% Load; 10S@>125% Load
Rated voltage	220/230/240VAC						
Rated Frequency	50/60Hz						
Switch Time(ms)	10mS (@UPS)						
Output Voltage Waveform	Pure Sine Wave						
Max Efficiency	0.98						
<b>AC input Data</b>							
Rated voltage	220/230/240V						
Voltage range(V)	90-280VAC±3V (Normal mode) 170-280VAC±3V (UPS mode)						
Input Type	L+N+PE						
Rated Frequency	50/60Hz						
Feed in grid Current(A)	15.7	21.7	26.1	28.3	34.8	43.5	52.2
<b>Battery input data</b>							
Battery Type	Lithium, Lead-acid						
Battery Voltage (V)	24	24	48	48	48	48	48
Max. Charging Current (A)	100	160	120	120	160	160	160
Floate Charging Voltage(V)	27	27	54	54	54	54	54
<b>Protection</b>							
Integrated	Anti-islanding Protection /AC Over Current Protection/PV/AC Over Voltage Protection/AC Short Circuit Protection/Overload Protection/Over Temperature Protection/PV Reverse Protection/PV input reverse polarity protection/Battery terminal reverse Polarity protection/Insulation impedance protection/Surge Arrester/Surge Protection/Ground-fault circuit interrupter (GFCI)						
<b>General Data</b>							
Display	LCD						
Operating Temperature Range	-10~60°C						
Dimension (W x H x D) (mm)	490*380*113	490*380*113	490*380*113	490*380*113	550*410*130	550*410*130	550*410*130
Weight(kg)	12.4	12.4	12.4	12.4	17.3	17.3	17.3
Installation method	Wall-mounted						
Relative Humidity	5% ~ 95% (Non-condensing)						
Max. Operating Altitude(m)	Derating over 1000m,Max 4000m, Refer to IEC62040						
Protection Degree	IP54						
Communication	RS232,WI-FI,RS485						
Number of parallel	/	/	9	9	/	/	/
Standard	IEC61683,IEC61000,IEC 62109-1/2						

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