



Hybrid Solar Inverter

OTS3.6/5/6/8/10/12K-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 switchingtime within 10ms



Technical Specification



Technical Data	OTS3.6K-S1	OTS5K-S1	OTS6K-S1	OTS8K-S1	OTS10K-S1	OTS12K-S1
Rated Power	3600VA/3600W	5000VA/5000W	6000VA/6000W	8000VA/8000W	10000VA/10000W	12000VA/12000W
PV input data						
Max. PV Input Power(W)	5000	9000	9000	2x7500	2x7500	2x7500
Max. PV Input Voltage(V)	500					
MPPT Voltage Range(V)	60-450					
Max. Current per MPPT (A)	18	27	27	27/27	27/27	27/27
Number of MPP Trackers	1	1	1	2	2	2
AC Output Data						
Rated AC Output Power (W)	3600	5000	6000	8000	10000	12000
Rated Output Current(A)	15.7	21.7	26.1	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%-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					
AC input Data						
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	34.8	43.5	52.2
Battery input data						
Battery Type	Lithium, Lead-acid					
Battery Voltage (V)	48	48	48	48	48	48
Max. Charging Current (A)	72	100	120	160	160	160
Floate Charging Voltage(V)	54	54	54	54	54	54
Protection						
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)					
General Data						
Display	LCD					
Operating Temperature Range	-10~60°C					
Dimension (W x H x D) (mm)	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	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	/	/	/
Standard	IEC61683,IEC61000,IEC 62109-1/2					

NINGBO JINGXI NEW ENERGY TECHNOLOGY CO., LTD.

NO.338,3rd Binhai Road, Hangzhou Bay,Cixi,Ningbo City, Zhejiang,China. | www.jaixisolar.com | marketing@china-jingxi.com