



G7.6K-11.4K-SPHU Split Phase High Voltage Inverters



Main Features

-  UPSTYPE 4X Design Natural Cooling.
-  Supports Stackable Battery.
-  Generator Port .
-  5 Years Warranty.

Technical Parameters / Model	G7.6K-SPHU	G11.4K-SPHU
PV Input		
Vmax PV (Vdc)		550V
Isc PV (A)	20A	40A
Maximum Operating PV Input Current (Each MPPT)	15.5A	27A
Maximum Operating PV Input Current (Each String)		15A
Nominal Input Voltage (dc)		384V
Range Of PV Input Operating Voltage (Vdc)		120-550V
MPPT Range		120-550V
Range Of PV Voltage @ Full Output (Vdc)	235-550V	235-550V
Start Input Voltage (Vdc)		150V
No. Of MPPT/Strings Per MPPT	4/1	4/2
Max Input Power Per MPPT (W)	3.6KW	5KW
Max. PV Input Power	14.4KW	20KW
Parameters For Grid Connection		
Nominal AC Output Voltage (Vac)		120/240V (L1/L2/N)
Nominal AC Output Frequency (Hz)		60Hz
Nominal AC Output Current (Aac)(L-L)	33.3A	50A
Nominal AC Output Power (W)(240V)	8KW	12KW
Max. Continuous AC Output Current (Aac)	33.3A	50A
Max. Continuous AC Output Power (VA)	8KVA	12KVA
Output Power Factor Rating		0.8 Leading~0.8 Lagging
Nominal AC Input Voltage (Vac)		120/240V (L1/L2/N)
Nominal AC Input Frequency (Hz)		60Hz
Max. Continuous AC Input Current (Aac)		83.3
Nominal AC Input Power (W)		20KW
Max. Continuous AC Input Power (VA)		20KVA
Nominal AC Input Current, Grid Charge To Battery (Aac), (W)	33.3A	50A
Max. Continuous AC Input Current, Grid Charge To Battery (Aac)	33.3A	50A
Nominal AC Input Power, Grid Charge To Battery (W)	8KW	12KW
Max. Continuous AC Input Power, Grid Charge To Battery (VA)	8KVA	12KVA
Max Output Over-Current Protection (amps)		150A 2P
Back-up Terminal Parameters		
Nominal AC Output Voltage (Vac)		120/240V (L1/L2/N)
Nominal AC Output Frequency (Hz)		60Hz
Nominal AC Output Power (W)		19KW
Max. Continuous AC Output Current (Aac)		79.2A
Max. Continuous AC Output Power (VA)		19KVA
Max Output Over-Current Protection (amps)		100A 3P
Generator Terminal Parameters		
Nominal AC Input Voltage (Vac)		240V (L1/L2/N)
Nominal AC Input Frequency (Hz)		60Hz
Nominal AC Input Current (Aac)		79.2A
Max. Continuous AC Input Current (Aac)		79.2A
Max. Continuous AC Input Power (VA)		19KVA
Max Output Over-Current Protection (amps)		100A 3P
Battery Terminal Parameters		
Battery Type		LFP
Nominal Voltage (Vdc)		153.6V
Range Of DC Charging/Output Voltage (Vdc)		75-480V
Max. Charging/Output Current (Adc)		75A
Max. Charging/Output Power (W)		8KW
Max Output Over-Current Protection (amps)		100A 2P
Other		
Storage Temperature		-30°C~+60°C/0~95%
Normal Operation Temperature Range		-30°C~+60°C/0~95%
Output Power Temperature Derating And Maximum Full Power Operating Ambient		45°C Derating
Enclosure Type		Type 4X
Certifications	UL1741:3RD / CSA-C22.2 N O.107.UL1998 / UL1699B / IEEEL1547-2018 / IEEEL1547.1-2020 / IEEEL2030.5 / (2018&IEEEL1547.1-2020)CEC-300-2018-009-CMF / FCC PART / 15B:2020 / ICES-003 ISSUE 7	