



F CHOICE SOLAR TECH INDIA PRIVATE LIMITED

**Regd. Office & Factory
1B/2, Pollachi Main Road,
Near Fire Service, Udumalpet - 642 126
Tirupur Dist., Tamilnadu INDIA**

**CHOICE ON GRID Single and 3 phase
TECHNICAL SPECIFICATION**

MODEL NO	CHOICE ON 1230	CHOICE ON 2230	CHOICE ON 3230	CHOICE ON 5230	CHOICE ON 5415	CHOICE ON 10415	CHOICE ON 15415	CHOICE ON 20415	CHOICE ON 30415	CHOICE ON 50415
Inverter capacity	1 KW	2 KW	3 KW	5 KW	5 KW	10 KW	15 KW	20 KW	30 KW	30 KW
Maximum Loading capacity	1000 W	2000 W	3000 W	5000 W	5000 W	10000 W	15000 W	20000 W	30000 W	50000 W
Inverter Efficiency	≥95 %	≥95 %	≥95 %	≥95 %	≥95 %	≥95 %	≥95 %	≥95 %	≥95 %	≥95 %
Powering Device	IGBT	IGBT	IGBT	IGBT	IGBT	IGBT	IGBT	IGBT	IGBT	IGBT
Out put voltage Ac	155 - 270 v	155 - 270 v	155 - 270 v	155 - 270 v	280-480 V	280-480 V	280-480 V	280-480 V	280-480 V	280-480 V
Rated output Voltage	230 V	230 V	230 V	230 V	400 V	400 V	400 V	400 V	400 V	400 V
Rated out put current	5 A	10 A	15 A	25 A	14 A	17 A	24 A	32 A	44 A	72 A
Output Frequency adjustable	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz
Output wave form	sine wave	sine wave	sine wave	sine wave	sine wave	sine wave	sine wave	sine wave	sine wave	sine wave
Output TDH for linear loads	≤ 2 %	≤ 2 %	≤ 2 %	≤ 2 %	≤ 2 %	≤ 2 %	≤ 2 %	≤ 2 %	≤ 2 %	≤ 2 %
Output TDH for non linear loads	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %
Power factor	≥ 0.85	≥ 0.85	≥ 0.85	≥ 0.85	≥ 0.85	≥ 0.85	≥ 0.85	≥ 0.85	≥ 0.85	≥ 0.85
Crust factor	≥ 3:1		≥ 3:1	≥ 3:1	≥ 3:1	≥ 3:1	≥ 3:1	≥ 3:1	≥ 3:1	≥ 3:1
Input method phase	2 WIRES	2 WIRES	2 WIRES	2 WIRES	4 WIRES	4 WIRES	4 WIRES	4 WIRES	4 WIRES	4 WIRES
Operating tempereare	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C	-25 °C to 60°C
Relative humidity non condensate	95%	195%	95%	95%	95%	95%	95%	95%	95%	95%
Noise level @ 1 meter	< 50 dB	< 50 dB	< 50 dB	< 50 dB	< 50 dB	< 50 dB	< 50 dB	< 50 dB	< 50 dB	< 50 dB
Enclosure type	IP 55	IP 56	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55
SOLAR										
Charging type	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT
Input voltage (PV aray Voc)	100-490	100-490	100-490	100-490	200-800 V	200-800 V	200-800 V	200-800 V	200-800 V	200-800 V
Charging current max.	11 A	11 A	13 A	13 A	9 A/9 A	13 A/13 A	15 A/13 A	26 A/26 A	36 A/36 A	46 A/46 A
MPPT tracking efficiency	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %
RS485 port for external data collection WIFI/GPRS	OPTIONAL									
DISPLACE INFORMATIONS	4 line LCD display									

INVERTER PROTECTION										
Short circuit	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reverse Polarity	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ground fault monitoring	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-islanding both active & passive	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Phase balance	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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