

**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

ONLINE SOLAR INVERTER MXon SERIES Single Phase

TECHNICAL SPECIFICATION

[illegible]

Charging method constant current SMPS	STEPPED	STEPPED	STEPPED	STEPPED	STEPPED	STEPPED	STEPPED	STEPPED	STEPPED	STEPPED	STEPPED
Over load Re-Start Autoimatic	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times
Short circuit Re-Start after 15 secs.	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times	5 times
Description	3KW	3KW	5KW	7.5KW	10KW	15 KW	20KW	20KW	30KW	50KW	100KW
Minimum wattage detection	15 wat	15 wat	15 wat	15 wat	15 wat	15 wat	15 wat	15 wat	15 wat	15 wat	15 wat
No load current	1-2 A	1-2 A	2-3 A	2-3 A	3-4 A	3-4 A	3-4 A	3-4 A	3-4 A	3-4 A	3-4 A
Ambient temperature	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C
Relative humidity non condensate	95%	95%	95%	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	< 50 dB
Enclosure type	IP 55	IP 55	IP 55	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	MPPT
Input voltage (PV aray Voc)	120-240V	120-240V	120-480v	140-480 v	160-720 v	280-650v	400-600v	400-600v	600-800v	600-800v	800-1000v
Charging current max.	40 A	40 A	60 A	80 A	100 A	100 A	100 A	100 A	100 A	120 A	150 A
Loading capacity (PV array wat) max. W	4000	6000	10000	15000	20000	30000	40000	50000	60000	100000	150000
MPPT tracking efficiency	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %	>98 %
Automatic battery management											
Battery voltage (per battery) Star At	14.2 V	14.2 V	14.2 V	14.2 V	14.2 V	14.2 V	14.2 V	14.2 V	14.2 V	14.2 V	14.2 V
Stop At	11.7 V	11.7 V	11.7 V	11.7 V	11.7 V	11.7 V	11.7 V	11.7 V	11.7 V	11.7 V	11.7 V
Ac supply management **											
By pass supply Charging mode (per battery)	15 A	15 A	15 A	15 A	15 A	15 A	15 A	15 A	15 A	15 A	15 A
Non-charging mode	0	0	0	0	0	0	0	0	0	0	0
Solar Display	2/4 LCD display										
Inverter Display	2/4 LCD display										
INVERTER Protections	Reverse polarity, Short circuit, Over load, Spikes, Phase sequence, Lightening										
In charging mode	AC supply by-passes in the absence of active smart solar priority and also charges the batteries up to full battery level										
In non charging mode	AC supply by-passes but will not charge the batteries, the battery will get charged only on solar										
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