



### Inverter with Solar Input



#### Standard Features

- LCD Display with Status Indicator
- Reserved Communication Port for BMS (RS48S, CAN-BUS or RS232)
- Battery Independent Design
- Configurable AC/PV Output Usage Timer and Prioritization
- Selectable High-Power Charging Current
- Compatible to Utility Mains or Generator Input
- Parallel Operation up to 6 Units only Available for 5kVA

Model	LMST-3.6K-24V-120V	LMST-6.5K-48V-120V
Rated Power	3600VA/3600W	6500VA/6000W
Parallel Capability	No	Yes, up to 6 units
<b>INPUT</b>		
Voltage	120 VAC	
Selectable Voltage Range	90-140 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	120VAC $\pm$ 5%	
Surge Power	7500VA	15000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	15 ms	
Waveform	Pure sine wave	
No Load Power Consumption	< 45 W	< 70 W
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	66 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	MPPT	
Maximun PV Array Power	4000W	8000W (4000W x 2)
MPPT Range @ Operating Voltage	90 ~ 230 VDC	
Maximum PV Array Open Circuit Voltage	250 VDC	
Maximum Solar Charge Current	80 A	
Maximum AC Charge Current	80 A	
Maximum Charge Current	80 A	
<b>PHYSICAL</b>		
Dimensions, D x W x H(mm)	14734 x 432.5 x 553.6	
Net Weight (kgs)	14.1	18.4
Communication Interface	USB/RS232/RS485/WIFI/Dry-contact	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5 % to 95% Relative Humidity (Non-condensig)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
<b>STANDARD</b>		
Compliance Safety	UL	

Product specifications are subject to change without further notice.

