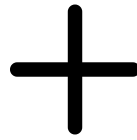
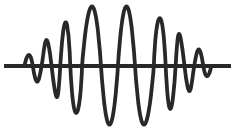


LUX POWER^{TEK}



6000XP-LXP

Powered by Luxpower and
warrantied by Maple Leaf Power
Systems



*HIGH FREQUENCY SPLIT-
PHASE*



Backed by MLP



Paralleling up to 16 units



Intertek

UL 1741:2021

CSA C22.2#107.1:2016

SPECIFICATION SHEET

AC INPUT DATA

NOMINAL AC VOLTAGE	120-240VAC
FREQUENCY	50/60Hz
MAX. CONTINUOUS AC CURRENT	37.5A @ 240VAC
MAX. AC INPUT POWER	9000W

AC GRID OUTPUT DATA

MAX. CONTINUOUS OUTPUT CURRENT	25A
@ 240V AC BYPASS (GRID)	50A
OUTPUT VOLTAGE	120/240VAC
NOMINAL POWER OUTPUT	6000W
OUTPUT FREQUENCY	50/60Hz
POWER FACTOR	0.99 @ full load
REACTIVE POWER ADJUST RANGE	(-0.8) – (+0.8) leading adjustable

BACKUP/UPS AC OUTPUT DATA

RATED OUTPUT CURRENT @	25A
240V AC BYPASS (GENERATOR)	30A
RATED OUTPUT POWER	6000W
MAX CONT. LINE WATTAGE	3000W
SURGE CAPACITY	12kW for ≈3.5 seconds 11kW for ≈5
OPERATING FREQUENCY	seconds 50/60Hz
THD (V)	<3%
SWITCHING TIME	<15ms @ Single / <30ms @ Parallel

PV INPUT DATA

NUMBER OF MPPTS	2
INPUTS PER MPPT	1
MAX. USABLE INPUT CURRENT	17/17A
MAX. SHORT CIRCUIT INPUT CURRENT	25/25A
DC INPUT VOLTAGE RANGE	100-480 VDC
UNIT STARTUP VOLTAGE	100 VDC ± 10 VDC
MPP OPERATING VOLTAGE RANGE	120-385 VDC
NOMINAL MPPT VOLTAGE	320 VDC
MAXIMUM UTILIZED SOLAR POWER	8000W (4000W per MPPT)
RECOMMENDED MAXIMUM SOLAR INPUT	10,000W

EFFICIENCY

MPPT EFFICIENCY	99%		
BATTERY CHARGING EFFICIENCY	93%		
BATTERY DISCHARGING EFFICIENCY	93%		
IDLE CONSUMPTION (STANDBY MODE)*	w/ PV <30W	w/ Battery ≈50W	w/ AC <50W

BATTERY DATA

TYPE	Lead-acid/Lithium	
MAX. CHARGE CURRENT	125A **	
MAX. DISCHARGE CURRENT	140A	
NOMINAL VOLTAGE	48 VDC	
BATTERY VOLTAGE RANGE	46.4-60 VDC (Lithium); 38.4-60 VDC (Lead-Acid)	
REC. BATTERY CAPACITY PER INVERTER	>200Ah	
HIGH DC CUT-OFF VOLTAGE	59VDC (Lithium) 60VDC (Lead-acid)	
HIGH DC RECOVERY VOLTAGE	57.4VDC(Li) 58VDC(Lead-Acid)	
	57.4VDC(Lithium)	
LOW DC WARNING VOLTAGE	LOAD<20%	44.0 VDC (Configurable)
	20%≤LOAD<50%	Warning Voltage @Load <20% - 1.2V
	LOAD≥50%	Warning Voltage @Load <20% - 3.6V
LOW DC WARNING VOLTAGE RETURN	Low DC Warning Voltage @Different Load +2V	
	LOAD<20%	42.0VDC (Configurable)
LOW DC CUT-OFF VOLTAGE	20%≤LOAD<50%	Cut-Off Voltage @Load <20% - 1.2V
	LOAD≥50%	Cut-Off Voltage @load <20% - 3.6V
LOW DC CUT-OFF RETURN VOLTAGE	CUT-OFF VOLTAGE @LOAD < 20% ≥ 45V	Low DC Cut -Off Voltage @load <20% +3V
	CUT-OFF VOLTAGE @LOAD < 20% < 45V	48V
LOW DC WARNING SOC	20% SOC (Configurable)	
LOW DC WARNING RETURN SOC	Low DC Warning SOC +10%	
LOW DC CUT-OFF SOC	15% SOC (Grid ON) (Configurable)	
LOW DC CUT-OFF RETURN SOC	15% SOC (Grid OFF) (Configurable)	
CHARGE CUT-OFF VOLTAGE	Low DC Cut-Off SOC +10%	
	58.4VDC	

GENERAL DATA

MAX. UNITS IN PARALLEL	16
INTEGRATED DISCONNECT	Yes
DC SWITCH RATING FOR EACH MPPT	Yes
DIMENSIONS	18*25.5*5.25 in (457*648*132mm)
WEIGHT	52.9 lbs. (24kg)
COOLING CONCEPT	Fan
TOPOLOGY	TL (Transformerless)
RELATIVE HUMIDITY	5-95%
ALTITUDE	<6561ft