



POWER YOUR LIFE WITH LUMINEY



**TAKE
CHARGE OF
YOUR SAVINGS
WITH LUMINEY
INVERTERS**

WHY LUMINEY?



**IP-66 WATER AND
DUST RESISTANT**



**IDEAL FOR BIFACIAL
150% PV OVER SIZING
(FOR LOW SUNLIGHT AREAS)**



**APP FOR
MONITORING**



**SURGE PROTECTION
AC : II ; DC : II**



FOR MORE INFO



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Technical Datasheet		G2 PRO			G3		
		ASW 10K-LT-G2 Pro	ASW 15K-LT-G2 Pro	ASW 20K-LT-G2 Pro	ASW 30K-LT-G3	ASW 40K-LT-G3	ASW 50K-LT-G3
Input (DC)	Max. PV array power	15000 Wp STC	22500 Wp STC	30000 Wp STC	45000 Wp STC	60000 Wp STC	75000 Wp STC
	Max. input voltage	1100 V					
	MPP voltage range / rated input voltage	150 V to 1000 V / 630 V			180 V - 1000 V / 630 V		200 V-1000 V/630 V
	Min. input voltage	125 V			160 V		200 V
	Initial feed-in voltage	180 V			200 V		250 V
	Max. operating input current	20 A / 16 A	32 A / 20 A	32 A / 32 A	32 A / 32 A / 32 A	32 A / 32 A / 40 A	40 A / 32 A / 32 A / 40 A / 32 A
	Max. short circuit current	30 A / 25 A	48 A / 30 A	48 A / 48 A	48 A / 48 A / 48 A	48 A / 48 A / 60 A	60 A / 48 A / 48 A / 60 A / 48 A
	No. of independent inputs / Strings per MPPT input	2 / A : 1 ; B : 1	2 / A : 2 ; B : 1	2 / A : 2 ; B : 2	3 / A : 2 ; B : 2 ; C : 2	3 / A : 2 ; B : 2 ; C : 2	5 / 2
Output (AC)	Rated active power	10000 W	15000 W	20000 W	30000 W	40000 W	50000 W
	Rated apparent power	10000 VA	15000 VA	20000 VA	30000 VA	40000 VA	50000 VA
	Max. apparent power	10000 VA	15000 VA	20000 VA	30000 VA	40000 VA	50000 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 V					
	AC voltage range	160 V to 300 V			180 V to 305 V / 312 V to 528 V		
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz					
	Max. output current	16 A	24 A	31.9 A	47.8 A	63.8 A	83.6 A
	Adjustable power factor range	0.8 leading to 0.8 lagging					
	Feed-in phases	3 / 3-N-PE					
	Harmonic distortion (THD) at rated output	< 3 %					
Efficiency & Protection	Max. efficiency / European efficiency	98.6 % / 98.2 %					98.6 % / 98.3 %
	DC Switch	✓					
	Ground fault monitoring / Grid monitoring	✓ / ✓					
	DC reverse polarity protection / AC short circuit	✓ / ✓					
	All-pole-sensitive residual-current monitoring unit	✓					
	Arc fault circuit interrupter (AFCI)	○					
	Anti-islanding protection	✓					
	Surge protection	✓ / AC : II ; DC : II					
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC : III ; DC : II					
	Sunspec protocol						✓
	Night monitoring	✓					
	Shadesol Shadow Management	✓					
	General Data	Dimensions (W / H / D)	503 / 435 / 183 mm			543 / 520 / 235 mm	
Weight		< 17.3 kg	17.3 kg	18.6 kg	29 kg	30 kg	43 kg
Operating temperature range		-25°C to +60°C					
Self-consumption (at night)		< 1 W					
Topology		Non-isolated					
Cooling concept		Natural convection	Active cooling				
Degree of protection (according to IEC 60529)		IP66					
Climatic category (according to IEC 60721-3-4)		4K4H					
Max. permissible value for relative humidity (non-condensing)		100%					
Max. operating altitude		3000 m					4000 m
Features	DC connection	Plug-in connector					
	AC connection	Plug-in connector					OT / DT Connector
	Mounting type	Wall / mount bracket					
	LED indicators (Status / Fault / Communication)	✓					
	Communication interface	✓ / ✓ / ○ / ○ (RS485 / Wi-Fi / LAN / 4G)					
	Country of manufacture	China					
	Certificates and approvals (more available on request)	CE, EN50549, G98 / 99, VDE-AR-N4105, AS / NZS 4777, C10/C11, VFR 2014 & UTEC15, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, NB/T32004					
✓ Standard features / ○ Optional features / - not available							



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