

AC inverter System with HV battery storage	DLX-500AC	DLX-600AC	DLX-800AC	DLX-1000AC
AC output				
Grid connection	3W+N+PE			
Sn nominal power	5kVA	6kVA	8kVA	10kVA
P maximum active power	5kW	6kW	8kW	10kW
AC voltage range	400Vac ± 15% (*)			
Output nominal current	7.2A	8.7A	11.5A	14.5A
Grid nominal frequency	50Hz			
Frequency range	47Hz - 53Hz (*)			
Cos φ	1 (adj ± 0.80)			
THD	< 3%			
Battery charger				
Battery type	Lithium			
Battery voltage range	170V - 500V			
Max charging/discharging current	25A			
Nominal battery voltage	200V	240V	320V	400V
Max charging/discharging power	5kW	6kW	8kW	10kW
Communication interfaces	CAN/RS485			
EPS output				
Maximum Smax power	5kVA	6kVA	8kVA	10kVA
AC voltage range	400Vac ± 15% (*)			
Output nominal current	7.2A	8.7A	11.5A	14.5A
Grid nominal frequency	50Hz			
Intervention time	< 5 sec (*)			
THD	< 3%			
Operating Performance				
Maximum Efficiency	97%			
Weighted efficiency (Euro)	96%			
Protective Devices				
BATTERY polarity reversal	As standard			
BATTERY overload protection	As standard			
AC short-circuit protection	As standard			
Isolation monitoring unit	As standard			
Interface protection and anti-islanding	In compliance with local legislation			
RCMU (Residual Current Monitoring Unit)	As standard			
AC Overvoltage protective device	As standard			
BATTERY Overvoltage protection	As standard			
Accessories Supplied				
AC connectors	Spring contacts terminal strip, M25 cable gland			
BATTERY connection	Quick connectors			
BATTERY automatic switch	Built-in			
User Interface	Graphic Touch Screen 4.3" colour LCD			
Communication interfaces	USB/CAN Bus/RS485/Ethernet/WiFi			
External alarm signal	As standard			
Datalogger	Built-in			
Warranties	5 years (as standard)/10 year (optional)			
Environmental Conditions				
Ambient temperature	-20°C...+60°C			
Power derating temperature range	40°C...+60°C			
Storage temperature	-30°C...+70°C			
Relative humidity	5%...95% without condensation			
Noise levels	< 50 dB(A) @ 1m			
Maximum operating altitude without derating	2000m			
Pollution degree classification	PD 3			
Installation environmental category	Indoor, unconditioned			
Physical				
Protection rating	IP 21			
Overvoltage category (IEC 62109-1)	II (BATTERY input) III (AC output)			
Cooling concept	I-cool, forced cooling			
Dimensions (W x H x D) mm	476 x 735 x 170			
Weight	21Kg			
Fitting system	Wall bracket			
Safety				
Protection class	I			
BATTERY to AC isolation	Trasformerless			
Certifications	CE			
EMC and Safety standards	EN61000-6-2 (EMC); EN61000-6-3 (EMC); EN62109-1 (Safety); EN62109-2 (Safety)			
Grid codes	CEI 0-21 (IT); VDE AR-N 4105 (DE); G98-G99 (UK); C10-11 (BE)			
Other Features				
BACKUP/OFF-GRID mode operation	Yes, with external interlock			
ON-GRID/BACKUP/OFF-GRID selection mode	Yes, automatic			
Grid support (grid services)	Yes, if required by the applied grid code			
Residential loads management	Yes, 1 dry contact 4A 250Vac			

(*) The specified range may vary according to the Grid connection standard enforced in the country of installation