

COMPARISON

ESOLAR FAMILY IN COMPARISON	eSolar LIGHT	eSolar CUBO LIGHT	eSolar DUO	eSolar CUBO
COMMUNICATION				
Maximum number of inverters	10	Max 30 devices*	Max 100 devices *	
Communication interface	1xRS232 1xRS485/RS422	1xRS232 1xRS485/RS422 (1xKNX ext optional)	1xRS232 2xRS485/RS422 1xKNX	
Multi-inverter operation	✗	✓	✓	✓
Maximum plant size	50kW	200kW	1000kW (recommended)	
MONITORING FUNCTIONS				
Real-time data monitoring	✓	✓	✓	✓
Independent string monitoring	Max 60		Max 300	
Single inverter monitoring	✓	✓	✓	✓
Monitoring of inverter/intelligent string controllers status/alarm/anomaly	✓	✓	✓	✓
Real-time display of communication quality of monitored devices	✓	✓	✓	✓
Power (AC/DC) display – Energy - Yield	✓	✓	✓	✓
Consultation of daily – monthly – yearly history	✓	✓	✓	✓
Management of inverters groups	✗	✓	✓	✓
Self-consumed energy management	✗	✓	✗	✓
Creating automation logics of energy efficiency	✗	✓	✗	✓
Displaying plant energy flows in real time, necessary presence of bidirectional meter	✗	✓	✗	✓
Management of economic production	✓	✓	✓	✓
Comparison between kWh produced and peak kW installed	✓	✓	✓	✓
Comparison between power produced and expected power	✗	✓	✓	✓
Prevision of percentage production	✗	✓	✓	✓
Environmental sensors connection with history/graphics display/real-time data	Via RS485	Via RS485 (via KNX with optional accessory)	Via KNX Via RS485	
Management of power meters (production /exchange)	only RS485/RS232	RS485/RS232 (impulse via KNX with optional accessory)	RS485/RS232 and impulse via KNX	
Video surveillance integration	✗	✓	✓	✓
KNX Communication	✗	with optional accessory	✓	✓
Digital/analogical input/output management	✗	with optional accessory	✓	✓
Interface and General protectors support	✗	✓	✓	✓
Email and text message alarm	✓	✓	✓	✓
Expected yield	✗	✓	✓	✓
Calculation of efficiency	✗	✓	✓	✓
Built-in data export tool (formatted or non-formatted Excel,csv,txt)	✓	✓	✓	✓



ESOLAR FAMILY IN COMPARISON	eSolar LIGHT	eSolar CUBO LIGHT	eSolar DUO	eSolar CUBO
DISPLAY				
Built-in Web-server	✓	✓	✓	✓
Integration/Management of outdoors display	✓	✓	✓	✓
Visualisation on LCD panels	✓	✓	✓	✓
Customisable graphic interface of outdoors display	✗	✓	✓	✓
Web app support (compatible with iPhone, iPad, Android, Blackberry)	✓	✓	✓	✓
GENERAL DATA				
Supply voltage	230A VC Ext. supply		230A VC integrated supply	30V AC integrated
Operating temperature	-10° / +50° C			
Case	Metal			
Multi-lingual (Italian, German, French, English, Spanish, Slovenian)	✓			
Support via SINAPSI DATA SERVICE	✓			
STORAGE				
Storage precision	Average value in 15min			
Storage redundancy	(optional on USB flashdrive)			
Local average capacity **	10 years		20 years	

* (1 device= 1 inverter/ 1 string controller/ 1 meter/ 1 sensor/ 1 LED display)

** Last year in detail at 15 minutes and synthetic daily historical data (guaranteed under the recommended/set limits)