photomate

HUAWEI C&I LUNA2000

PRODUKTER	97kWh	97kWh	129kWh	129kWh	161kWh	161kWh	200kWh	200kWh
C&I BESS	PRIMÄR	SEKUNDÄR	PRIMÄR	SEKUNDÄR	PRIMÄR	SEKUNDÄR	PRIMÄR	SEKUNDÄR
LUNA2000-1/2H1: Cabinet	1	1	1	1	1	1	1	1
Lithium Battery Pack	6	6	8	8	10	10	12	12
LUNA2000-100KTL-M1: PCS	1	1	1	1	1	1	1	1
ESC 360kw-F, Smart ESS DCDC	1	1	1	1	1	1	1	1
Fire extinguishing system	1	1	1	1	1	1	1	1
Battery installation tray	1		1		1		1	
DTSU666-HW	1		1		1		1	
SmartLogger3000A03EU	1		1		1		1	
SmartModule1000A	1		1		1		1	
PCS Communication Terminal Field/Replacement bag	1		1		1		1	
Smart ETH gateway_5*FE	1		1		1		1	

OPTION SmartLogger3000A03EU ersätts med SmartACU2000D-00 Smart Power Sensor-80AI-T0



	BASIC	EXTENDED	ADVANCED
BEFORE COMMISSIONING	ALL NECESSARY SUPPORT AND TECHNICAL CONSULTATIONS ABOUT: installation site, EPC work; electrical and communication line design; compatibility of the products & 3rd party devices necessary 3rd party products (if needed); obligatory permissions and agreements (local).	ALL NECESSARY SUPPORT AND TECHNICAL CONSULTATIONS ABOUT: installation site, EPC work; electrical and communication line design; compatibility of the products & 3rd party devices necessary 3rd party products (if needed); obligatory permissions and agreements (local); safety precautions in on-grid & off-grid mode; electrical safety design; automatic MCCB's integration with existing BMS or Photomate EMS. ON-SITE: one verification on-site visit before delivery/commissioning after EPC work.	ADVAINCED ALL NECESSARY SUPPORT AND TECHNICAL CONSULTATIONS ABOUT:
DURATION	6 HOURS	6 HOURS	6 HOURS + 1 DAY VISIT
ON-SITE COMMISSIONING	 verification of components assembly; basic electrical safety measurements*; powering on system; Smartlogger/SACU commissioning; firmware upgrades; connection to with FusionSolar PVMS testing working modes and features; defect elimination (if needed)**; basic how to use training (2 hours); 	 verification of components assembly; basic electrical safety measurements*; powering on system; Smartlogger/SACU commissioning; firmware upgrades; connection to with FusionSolar PVMS testing working modes and features; defect elimination (if needed)**; integration with PV (Huawei inverters only); advanced off-grid mode tests; advanced how to use & basic maintenance training (2-3 hours). 	 INSTALLATION OF: battery packs (forklift provided by customer); AC and DC harness; SACU, PCS, CMU, SmartMeter; DC battery rods; UPS (for off grid scenarios); communication cables internal & external. verification of components assembly; basic electrical safety measurements*; powering on system; Smartlogger/SACU commissioning; firmware upgrades; connection to with FusionSolar PVMS testing working modes and features; defect elimination (if needed)**; integration with PV (Huawei inverters only); integration with EMS (if provided by Photomate) advanced off-grid mode tests; complex on-site training 5-6 hours.
DURATION	1 DAY	1 DAY	2 DAYS
AFTER COMMISSIONING	 standard (real) remote technical support &x5 12 online inspections every 6 months from installation with provided report* *FusionSolar Cloud connection needed 	 standard (real) remote technical support 8x5; 12 online inspections every 6 months from installation with provided report* 1 on site visit inspection within 12 months of commissioning *FusionSolar Cloud connection needed 	 standard (real) remote technical support 8x5; 12 online inspections every 6 months from installation with provided report* 1 on site visit inspection within 12 months of commissioning 2 service visit on demand within 96h since service request. *FusionSolar Cloud connection needed
DURATION	6 HOURS	10 HOURS + 1 DAY VISIT	6 HOURS + 3 DAYS VISIT
ADDITIONAL ON-	SITE VISIT	*Basic electrical safety measurements contain: polarity check, earth end with official report. Provided measurements cannot substitute m certified electricians according to local safety standards.	

components caused by customer/installer are excluded from Photomate responsibility.

- 1. Photomate service reserves right to refrain from performing commissioning activities if:
- EPC & construction work does not meet local standards and manufacturer requirements;
- electrical installation $\ensuremath{\mathfrak{k}}$ design work does not meet local standards and manufacturer requirements;
- customer will not ensure presence of qualified/certified electrician(s) responsible for OBM of electrical installation during all commissioning process;

**Defect elimination refers to: inappropriate or wrong connection, assembly of components. Any physical damage, loss of parts/

- work environment does not meet local safety standards;
- environmental conditions does not allow to provide service safety.

