

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	

OPTI	ON				
SmartLogger3000, med SmartACU20	A03EU ersätts 00D-00				
Smart Power Sens	sor-80AI-T0				





BASIC **EXTENDED** ADVANCED ALL NECESSARY SUPPORT AND TECHNICAL ALL NECESSARY SUPPORT AND TECHNICAL ALL NECESSARY SUPPORT AND TECHNICAL BEFORE COMMISSIONING CONSULTATIONS ABOUT: CONSULTATIONS ABOUT: CONSULTATIONS ABOUT: installation site. EPC work: installation site, EPC work: installation site, EPC work: electrical and communication line design; electrical and communication line design; electrical and communication line design; compatibility of the products & 3rd party devices compatibility of the products & 3rd party devices compatibility of the products & 3rd party devices necessary 3rd party products (if needed); necessary 3rd party products (if needed); necessary 3rd party products (if needed); obligatory permissions and agreements (local). obligatory permissions and agreements (local); obligatory permissions and agreements (local); safety precautions in on-grid & off-grid mode: safety precautions in on-grid & off-grid mode: electrical safety design; electrical safety design; automatic MCCB's automatic MCCB's integration with existing BMS or Photomate EMS. integration with existing BMS or Photomate EMS. one verification on-site visit before one verification on-site visit before delivery/ commissioning after EPC work. delivery/commissioning after EPC work. **DURATION** 6 HOURS 6 HOURS + 1 DAY VISIT 6 HOURS ON-SITE verification of components assembly; verification of components assembly; INSTALLATION OF: COMMISSIONING basic electrical safety measurements*; basic electrical safety measurements*; battery packs (forklift provided by customer); powering on system; powering on system; AC and DC harness; SACU, PCS, CMU, SmartMeter: Smartlogger/SACU commissioning: Smartlogger/SACU commissioning: firmware upgrades: firmware upgrades: DC battery rods: connection to with FusionSolar PVMS connection to with FusionSolar PVMS UPS (for off grid scenarios); testing working modes and features; testing working modes and features; communication cables internal & external. defect elimination (if needed)**; defect elimination (if needed)**; verification of components assembly; basic how to use training (2 hours); integration with PV (Huawei inverters only); basic electrical safety measurements*; advanced off-grid mode tests; powering on system; advanced how to use & basic maintenance Smartlogger/SACU commissioning; training (2-3 hours). 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 ΔFTFR standard (real) remote technical support 8x5; standard (real) remote technical support 8x5: standard (real) remote technical support 8x5: COMMISSIONING 12 online inspections every 6 months from 12 online inspections every 6 months from 12 online inspections every 6 months from installation with provided report* installation with provided report* installation with provided report* 1 on site visit inspection within 12 months of 1 on site visit inspection within 12 months of *FusionSolar Cloud connection needed commissioning commissioning 2 service visit on demand within 96h since service *FusionSolar Cloud connection needed *FusionSolar Cloud connection needed

C&I LUNA2000 SUPERVISION SERVICES

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 bond check, insulation resistance check. Measurements does not end with official report. Provided measurements cannot substitute mandatory electrical safety measurements provided by qualified/ certified electricians according to local safety standards.

**Defect elimination refers to: inappropriate or wrong connection, assembly of components. Any physical damage, loss of parts/ 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 & design work does not meet local standards and manufacturer requirements:
- customer will not ensure presence of qualified/certified electrician(s) responsible for O&M of electrical installation during all
- work environment does not meet local safety standards;
- environmental conditions does not allow to provide service safety.

