

Livoltek Hyper-6000 modbus

Any register that is not marked with i16, i32 or string is i16

Scale is not always 0.1...you have to verify with live data from the inverter.

Since I don't have anything connected to load port I could not test registers...to be continued in the future.

Time of use schedule – to be continued

Tested with OpenModScan and HA integration – Protocol Wizard

Connection

>>UART SET	
Baud Rate	9600
Data Bit	8
Parity Bit	None
Stop Bit	1
CTSRTS	Disable
Pack Interval	20
Pack Size	1400
Com Heart	OFF
ModBUS Enabled	Protocol Conversion

Device (slave) ID 17

Holding registers – 0 start address

504 – 505 – total batt charged i32 – scale 0.1 – x

508 – 509 – total eps consumption i32

512 – 513 – total batt discharged i32 – scale 0.1 - x

506 – 507 – total grid exported i32 – scale 0.1 – x

510 – 511 – total grid imported i32 – scale 0.1 - x

514 – 515 – total pv yield i32 – scale 0.1 - x

516 – 517 – total load consumption i32 – scale 0.1 - x
524 – today grid exported i16 – scale 0.1 - x
525 – today batt. Discharged i16 – scale 0.1 - x
526 – today pv yield i16 – scale 0.1 - x
527 – today load consumption i16 – scale 0.1 - x
554 – 555 – monthly grid exported i32 – scale 0.1 - x
556 – 557 – monthly batt discharged i32 – scale 0.1 - x
558 – 559 – monthly pv yield i32 - scale 0.1 - x
560 – 561 – monthly load consumption i32 – scale 0.1 - x

0 – Work mode – 0 = self use mode / 1 = backup mode – RW (automatically switches discharge ends of battery) - x

1 – nr. of batteries ??

2 – batt capacity – RW (1-500)

3 – bulk charging current – RW (5-125)

7 – max discharge current - RW (5-125)

9 – discharge end SOC @grid - RW (0-100) - x

10 – discharge end SOC @eps - RW (0-100) - x

11 – beep on EPS – RW (0 / 1) - if you change 11 it also changes 67

64 – EPS without bypass - 1 / UPS with bypass – 3 – RW

106 – AC charge limit – RW (5-125)

450 – AC output voltage – scale 0.1 - x

451 – AC output current – scale 0.1 - x

452 – AC output power – scale 1 - x

453 – AC output frequency – scale 0.01 - x

455 – PV input PV1 voltage - x

456 – PV input PV2 voltage - x
457 – PV input PV1 current - x
458 – PV input PV2 current - x
463 – PV input PV1 power - x
464 – PV input PV2 power - x
466 - 467 – PV input PV power i32 - x
468 – battery storage SOC - x
469 – battery storage voltage - x
470 – battery storage current - x
471 – battery storage power - x
474 – load consumption voltage - x
475 – load consumption current - x
476 – load consumption power – x

477 – EPS (UPS) output power – x
478 – EPS (UPS) output voltage - x
479 – EPS (UPS) output current - x
481 – EPS (UPS) output frequency – scale 0.01 - x

495 – inverter temperature - x
543 – utility grid import voltage - x
544 – utility grid import current - x
545 – utility grid import power - x
549 – utility grid import frequency - x
568 – batt SOH ??? – mine is at 99%
570 – 574 – product model (string)

578 – 585 – device SN (string)

586 – 593 – hardware ver. (string)

604 – MDSP ver.

620 – SDSP ver.

636 – ARM ver.

BMS state:

530 – Bat SOC (BMS)

531 – Charge cut off voltage (BMS)

532 – Discharge cut off voltage (BMS)

533 – Max charge current limit (BMS)

534 – Max discharge current limit (BMS)

535 – Batt max temp (BMS)

536 – Batt min temp (BMS)

653 – max pack voltage (BMS)

654 – min pack voltage (BMS)

BMS info

669 - BMS type

670 – 672 – BMS ver. (string)

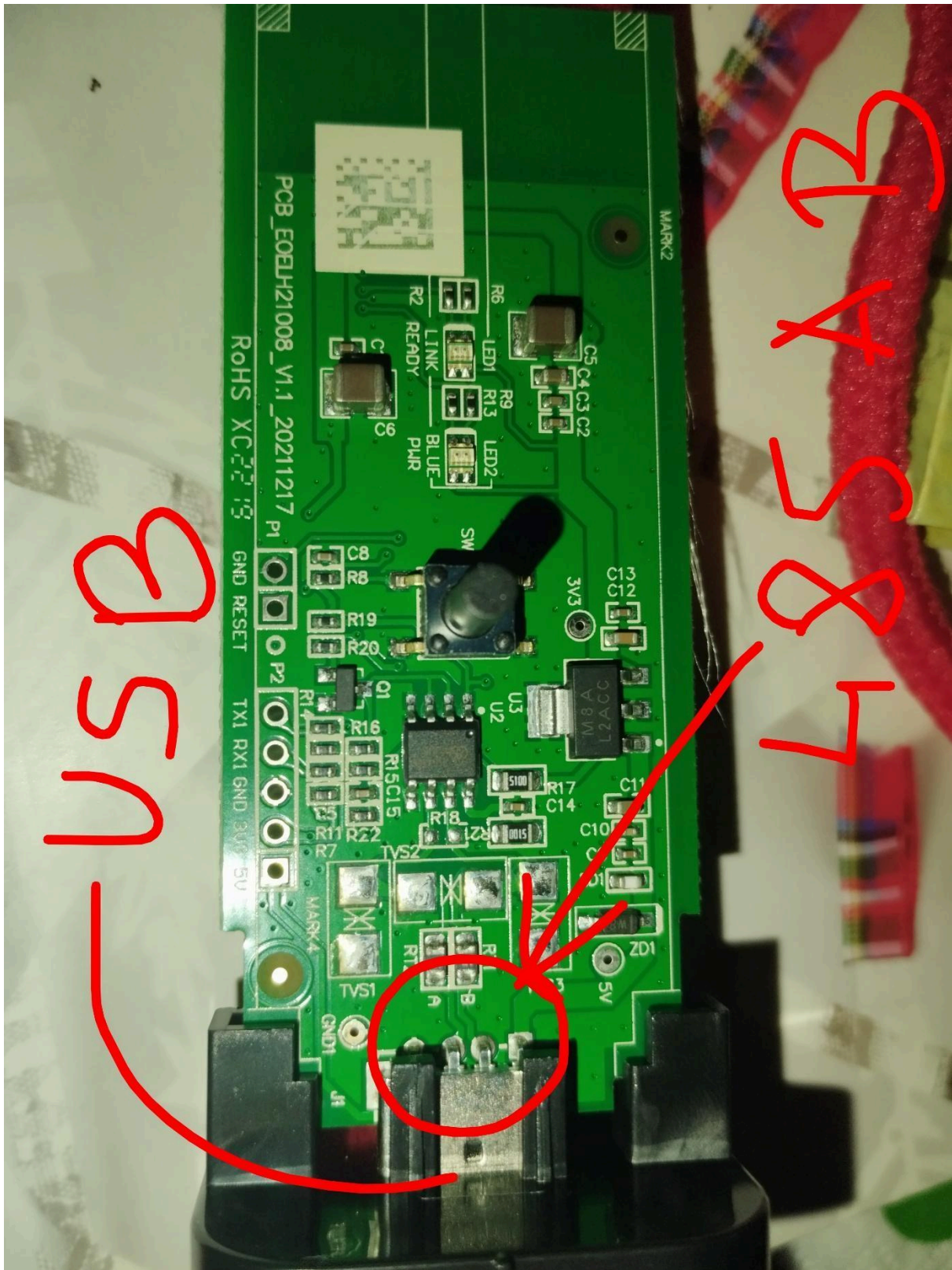
673 – BMS Capacity

Feed in limitation settings:

82 - Control method - 0 disabled, 50 CT, 1 single phase , 7 three phase - RW

58 - Feed in power limit: insert feed in limitation in W (ex. 1500), default value at full power is

65535 – RW



USB

BAXB
L84

