

NCore Lite / microCompact comparison table

INPUT	nCore Lite	microCompact
Max Input power	1.6kW	2.4kW
Input Slots	2	3
ACDC Input power	800W	800W
DCDC Input power (-48V/solar)	800W	X
ACDC and DCDC concurrent Input power	✓	X
BATTERY	nCore Lite	microCompact
Battery Voltage	48V	48V
Max charge current	1/5/10A auto adaptive	depending on battery
Battery chemistry	Lead-Acid / Li-Ion / LiFePO4	Lead Acid / Li-Ion
Topology	Instant Online	Online
Charging curve	Dynamic auto-sense	Programmable
Charging algorithm stages	3 (CC/CV/RCV)	1 (CC)
Temperature compensation	Internal and External sensor	External sensor (optional)
Battery Input protection	50A circuit breaker	30A circuit breaker
Battery Disconnection	Mosfet	Magnetically latching
Discharge simulation	Dynamic full discharge	Fixed time test
Capacity calculation	Based on real load	Based on instant load
Maximum power point tracking (solar input)	✓	X
OUTPUT	nCore Lite	microCompact
Output ports	8	4
Max load per port	10A	10A x 2 / 20A x 2
Output Voltage	12V, 29/48/54V software selectable (4 ports only)	Fixed 48V depending on battery
Single Port automation	Remote on/off, power cycle	X
Short circuit protection	Auto Reset	Mechanical On-Site Reset
Over current protection	Auto Reset	Mechanical On-Site Reset
DCDC isolation	✓	X

**SYSTEM****nCore Lite****microCompact**

Ground reference	Floating	Positive to ground
Reverse current protection	Ideal Diodes (0V drop)	Silicon Diodes
Current sensors	12 x Hall Sensors	1 x Shunt Resistor
Voltage sensors	8 x Isolated Sensors	1 x Non-Isolated Sensor
Battery circuit breaker detection	✓	✗
Priority Load Management	✓	✗
Reactive Mode / Proactive Mode	✓	✗
Redundancy Fan System	✓	✗

Software Characteristics**nCore Lite****microCompact**

Web Interface	✓	✓
SNMP read/write	✓	✗
API	✓	✗