



**ALFEN**  
POWER TO ADAPT

# Technical specifications

## Standard general features

Energy Management:	Alfen EMS
Supported applications:	Frequency Response, Peakshaving, Blackstart, Offgrid
Grid voltage:	3p 400 Vac (no neutral), with microgrid option: 3p 230/400 Vac (with neutral), other voltages upon request
Grid frequency:	50 Hz, other frequencies upon request
Ambient temperature range:	-20°C - 40°C
Battery efficiency:	98,6%
Inverter efficiency:	97,0%
Local control:	PLC based control with touch screen
Modularity:	Stackable units
Warranty:	10 year performance warranty on battery (conditions available upon request), rest of system 2 year on components
Remote service:	Back office via communication gateway
Climatization:	Air-conditioned battery compartment, air-cooled power converter compartment
Container size per unit:	10ft, 20ft, 40ft

## Standard stackable features

Type	Battery capacity (kWh)	Usable capacity (kWh)	Power kVA (25°C)	Power kVA (40°C)	Container type (ft)	System Weight (kg)	Off-grid option available
TB-138-1C	138	131	180	141	10	4400	No
TB-276-1C	276	262	318	249	20	7200	Yes
TB-551-1C	551	524	636	498	20	10200	Yes
TB-896-1C	896	851	1272	995	40	16100	Yes
TB-1102-1C	1102	1047	1272	995	40	17900	Yes
TB-1516-1C	1516	1440	1908	1493	40	22700	Yes
TB-2067-1C	2067	1964	2544	1991	40	28700	No



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