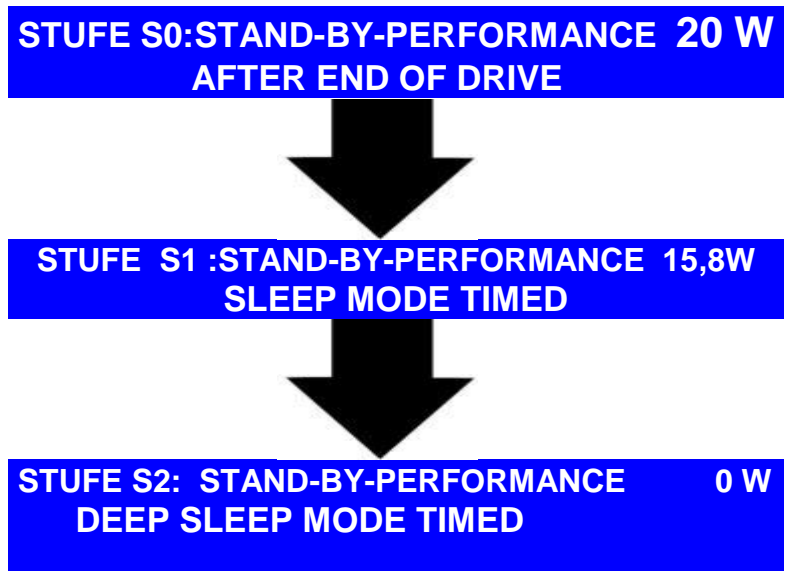
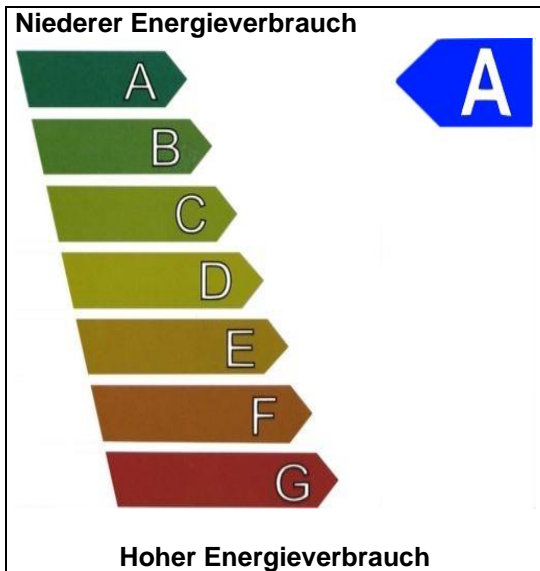


The frequency inverters of type of GOLIATH-90, also the older type of GOLIATH-90, have no motor contactors, but net-contactors. This means, that in the standby-mode, the frequency inverter is separate from the main supply and only an economy connection supply the electronic parts.

ENERGY CLASS A MANAGEMENT

STEPPING OF THE ENERGY-

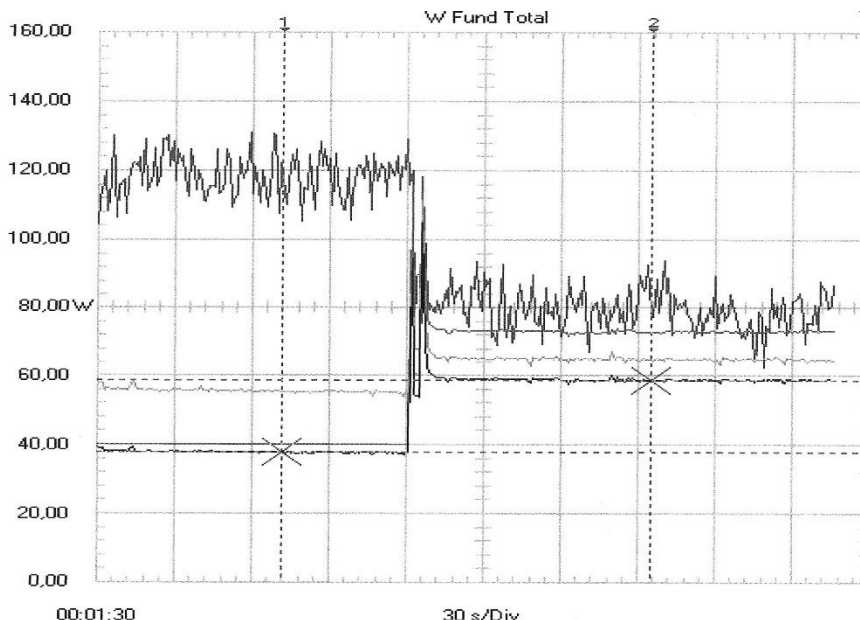


Nutzungskategorie	1	2	3	4	5
Gewichtung S0	1 %	2 %	5 %	7 %	10 %
Gewichtung S1	24 %	33 %	60 %	73 %	85 %
Gewichtung S2	75 %	65 %	35 %	20 %	5 %

Based on category of use it obtained for stationary power following sample calculations:

PStillstand (Kategorie 1) = $0,01 * 21 W + 0,24 * 15W + 0,75 * 0W = 3,81 W$

PStillstand (Kategorie 5) = $0,10 * 21 W + 0,85 * 15W + 0,05 * 0W = 14,85 W$



Datenblock	
Name = W Fund A/L1	W Fund B/L2
Datum = 23.03.2009	23.03.2009
Uhrzeit = 16:49:17	16:49:17
Y-Skala = 2 mW/Div	10 W/Div
Y bei 50% = -4,00 mW	20,00 W
X-Skala = 30 s/Div	30 s/Div
X bei 0% = 00:01:30	00:01:30
X-Größe = 286 (377)	286 (377)
Maximum = 1,13 mW	39,14 W
Minimum = -9,57 mW	0,00 W
Name = W Fund C/L3	
Datum = 23.03.2009	W Fund Total
Uhrzeit = 16:49:17	23.03.2009
Y-Skala = 10 W/Div	20 W/Div
Y bei 50% = 50,00 W	80,00 W
X-Skala = 30 s/Div	30 s/Div
X bei 0% = 00:01:30	00:01:30
X-Größe = 286 (377)	286 (377)
Maximum = 72,32 W	104,80 W
Minimum = 36,81 W	36,80 W
Cursorwerte	
X 1 : 0T 00:02:42 (23.03.2009 16:51:59)	
X 2 : 0T 00:05:05 (23.03.2009 16:54:22)	
dX : 0T 00:02:23	
Y 1 : 37,55 W	
Y 2 : 58,68 W	
dY : 21,13 W	